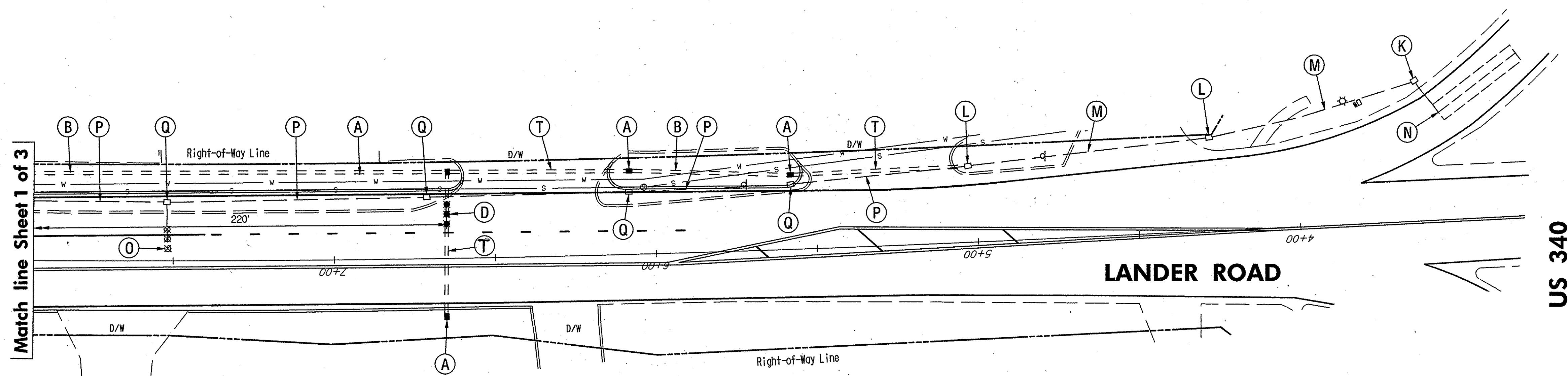


MD 180 is considered to run  
in an East/West direction.



#### CONSTRUCTION DETAILS

- A. Install handhole.
- B. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
- C. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted.
- D. Install (non-invasive) micro-loop probe (set of 3).
- E. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (3-6-3 turns).
- F. Use existing mast arm. Install new vehicle signal head.
- G. Use existing mast arm. Replace existing signal heads with new signal heads as shown.
- H. Use existing cabinet/controller. Install an additional 4-channel rack mounted loop detector amplifier.
- J. Use existing handhole. Pull back existing aluminum shielded cable from off-ramp loop and run through new conduit back to loop detector.
- K. Use existing handhole. Splice existing loop detector to relocated aluminum shielded cable.
- L. Use existing handhole.
- M. Use existing conduit.
- N. Use existing loop detector.
- O. Abandon existing loop detector.
- P. Abandon existing conduit.
- Q. Remove existing handhole.
- R. Install 24 in. wide pavement marking for stop line.
- S. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
- T. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
- U. Install ground mounted sign.

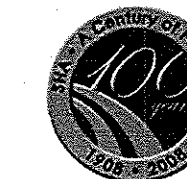
**GEOMETRIC LEGEND**  
— EXISTING  
— PROPOSED

**UTILITY LEGEND**  
— SD — STORM DRAIN  
— G — GAS MAIN  
— W — WATER MAIN  
— S — SEWER MAIN  
— E — ELECTRIC CABLES  
— A — AERIAL CABLES  
— T — TELEPHONE CABLES  
— F — FIBER-OPTIC

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL.  
SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID  
WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

**SHA**

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION



MD 180 (JEFFERSON PIKE) AT LANDER ROAD/HOLTER ROAD

#### TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE Feb. 13, 1998 CONTRACT NO. N/A

DESIGNED BY N. LEARY COUNTY FREDERICK  
DRAWN BY S. BLOSS LOGMILE 10018008.46  
CHECKED BY T. HANNAN TMS NO. 1820  
F.A.P. NO. N/A TOD NO.

TS NO. 3785A DRAWING — OF SHEET NO. 2 OF 3

PLOTTED: Wednesday, February 27, 2008 AT 11:44 AM  
FILE: O:\Jobs\2005\2005-0621\TEDD\PSG-P002\_MD180@LANDER-HOLTER.dgn

BY: JStorck



The Traffic Group, Inc.  
Suite H  
9900 Franklin Square Drive  
Baltimore, Maryland 21236  
410-931-6600  
1-800-583-9411  
Fax 410-931-6601  
"Merging Innovation and Excellence"®